

ABSTRACT OF THE DISCLOSURE

Connectors configured for providing composite wall structures with high composite action. In one embodiment, the connectors comprise a body having two spaced-apart sidewalls and a web portion extending therebetween, having a thickness that is less than the diameter or width of the sidewalls in the same dimension. The body also includes a tapered end comprising a single elongate edge or a plurality of spaced-apart edges or pointed ends at one end for facilitating penetration of the connector through layers of the composite wall during manufacture. An orienting protrusion orients the connector at a predetermined depth within the layers of the composite wall during manufacture. One or more structures anchoring anchor the connectors of the invention to layers of structural material placed on opposing sides of an insulation layer of the composite wall.